

FIG. 1

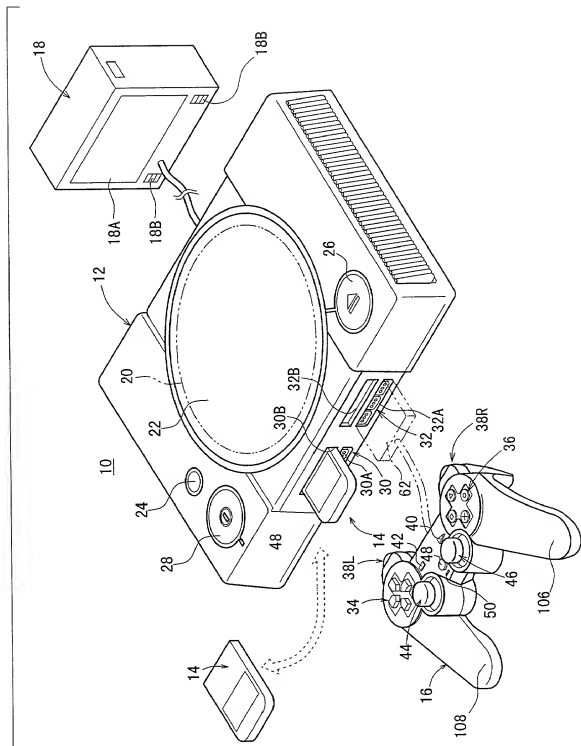


FIG. 2

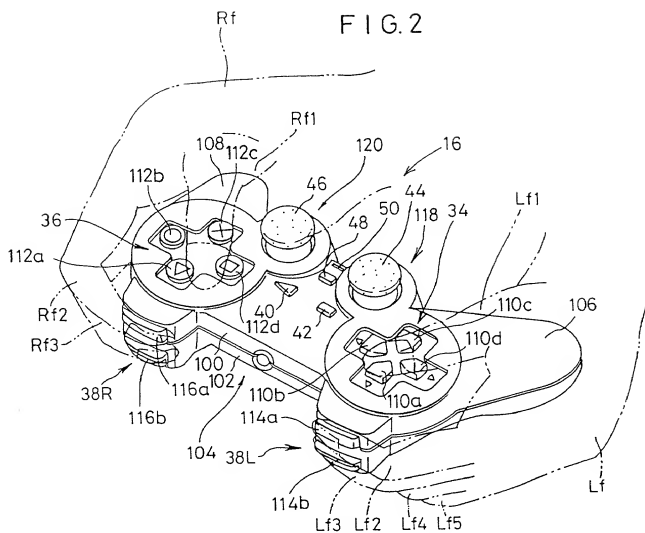
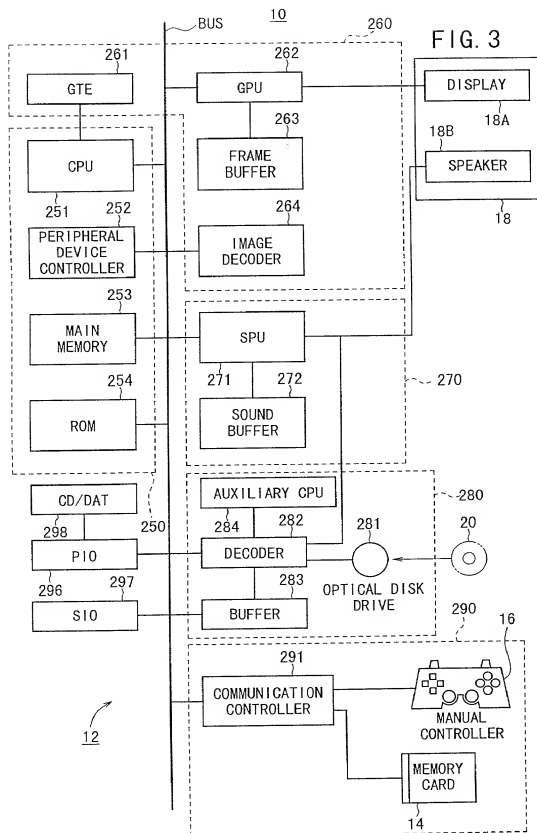


FIG. 3



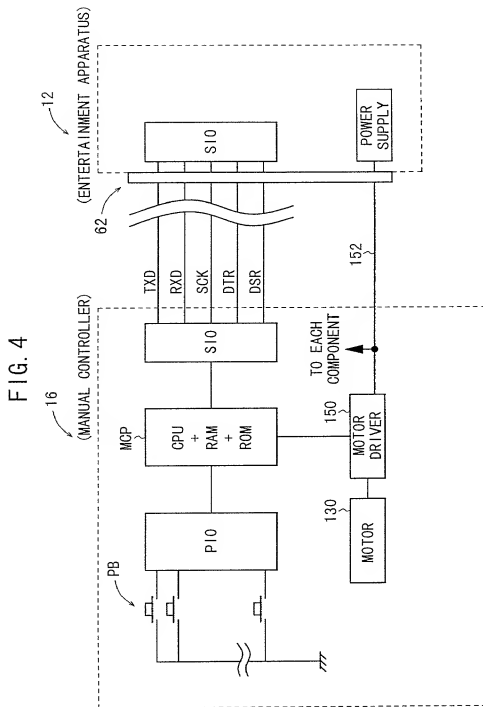


FIG. 5

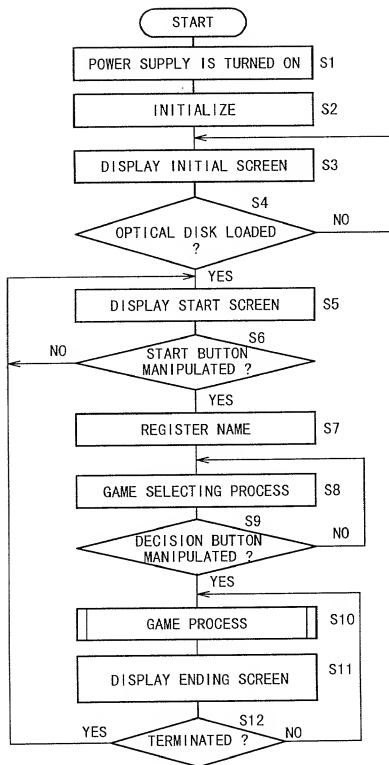


FIG. 6

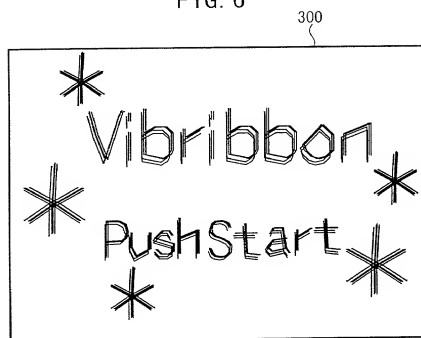


FIG. 7

302

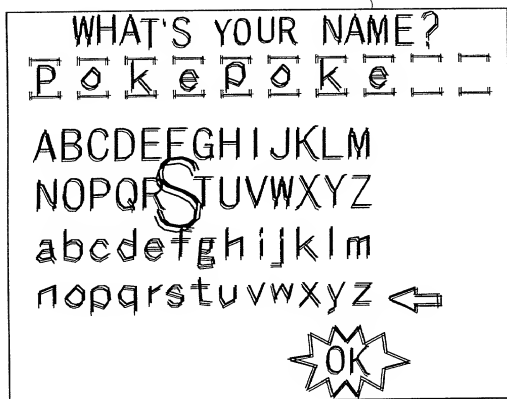


FIG. 8

304

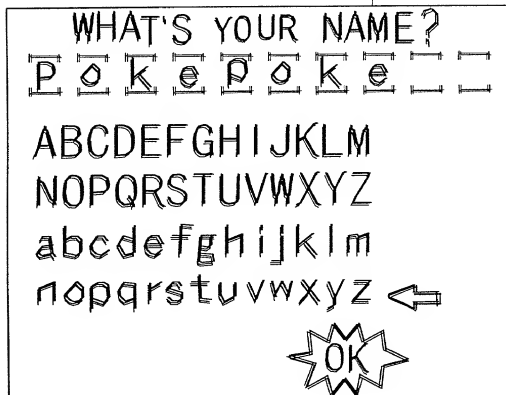




FIG. 9

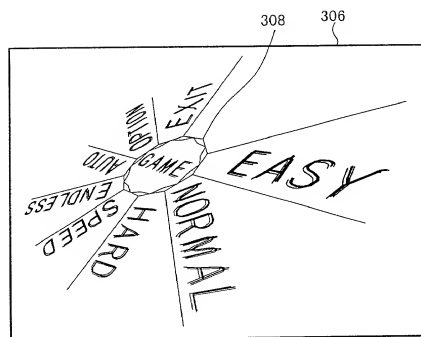


FIG. 10

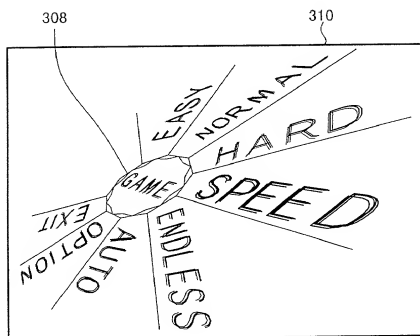




FIG. 12

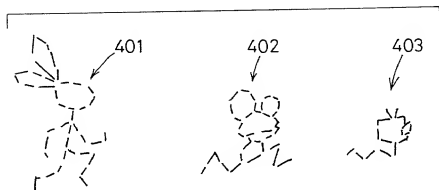


FIG. 13

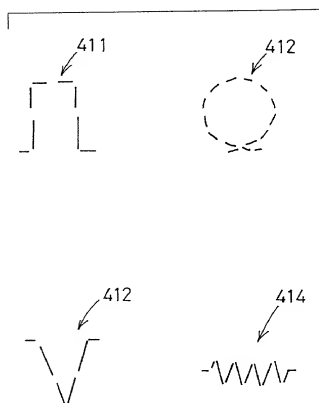


FIG.14

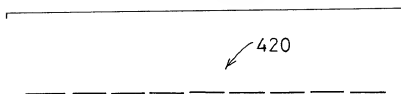


FIG. 15

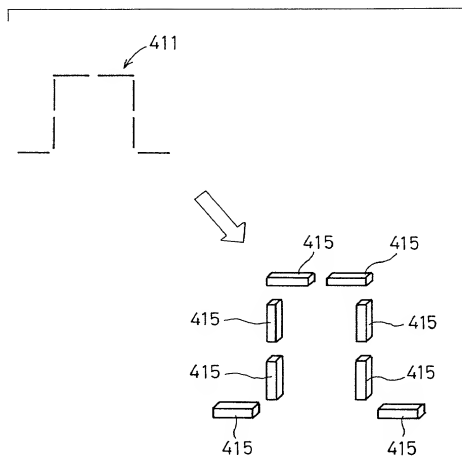


FIG. 16

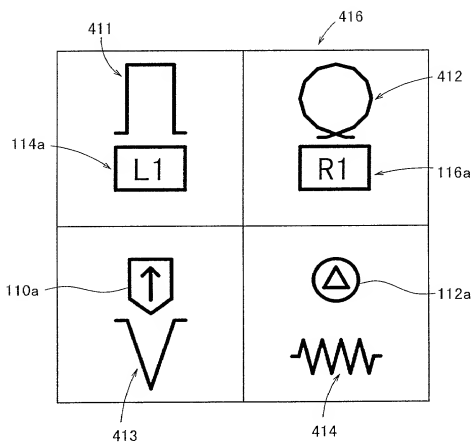




FIG. 17

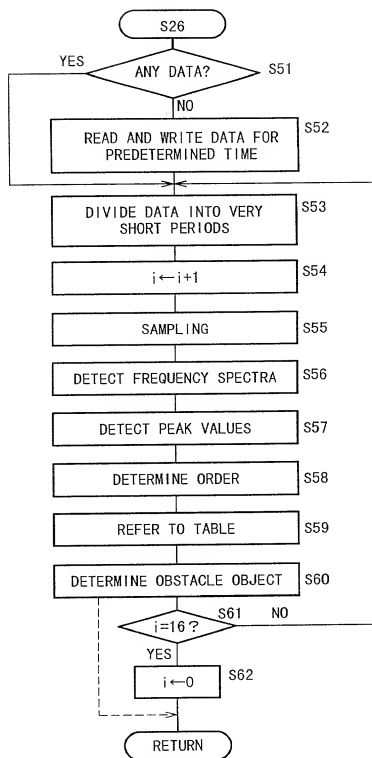


FIG. 18



|             |          |          |             |          |          |   |
|-------------|----------|----------|-------------|----------|----------|---|
| P           |          |          |             |          |          | OBSTACLE OBJECT   |
| $f_l < f_c$ |          |          | $f_h > f_c$ |          |          |   |
| $f_{l1}$    | $f_{l2}$ | $f_{l3}$ | $f_{h1}$    | $f_{h2}$ | $f_{h3}$ |  411 |
| $\vdots$    | $\vdots$ | $\vdots$ | $\vdots$    | $\vdots$ | $\vdots$ | $\vdots$  |
| $f_{l3}$    | $f_{l2}$ | $f_{l1}$ | $f_{h3}$    | $f_{h2}$ | $f_{h1}$ |  414 |

FIG. 19



| Q |   |   |   | OBSTACLE OBJECT   |     |
|---|---|---|---|---|-----|
| + | + | + | + |  | 411 |
|   |   |   |   |   |     |
| - | - | - | - |  | 414 |

FIG. 20

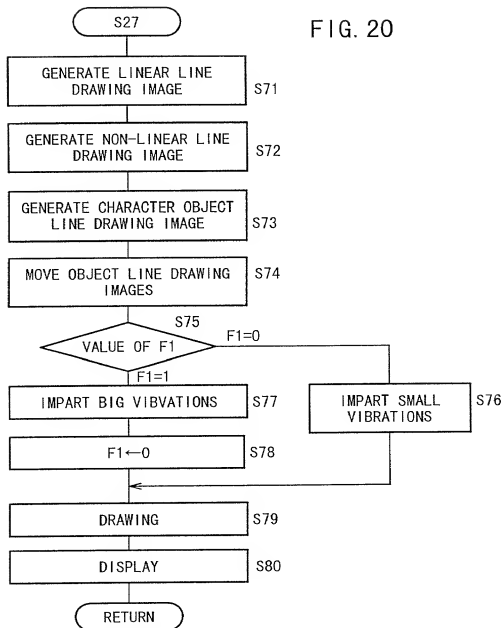


FIG. 21

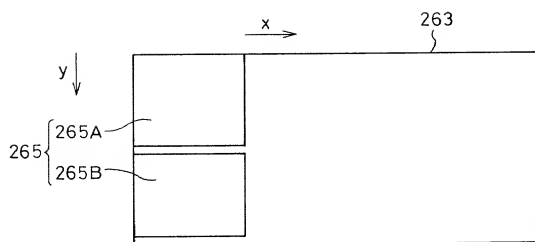


FIG. 22

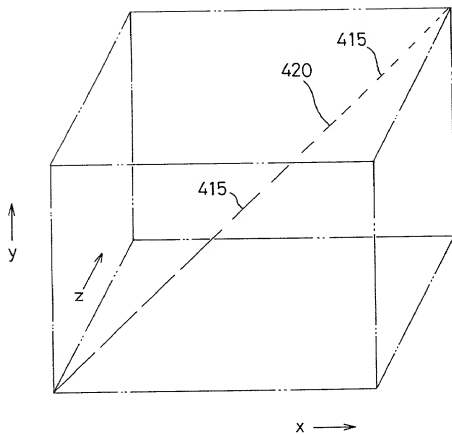


FIG. 23

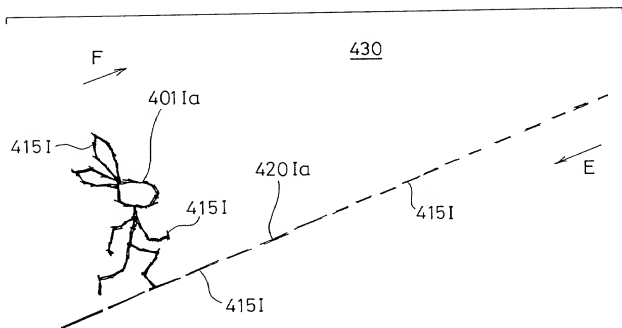


FIG. 24

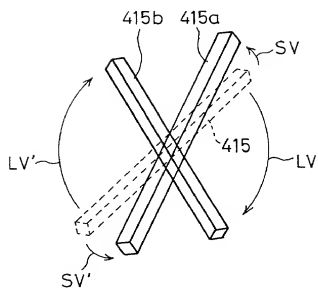




FIG. 25

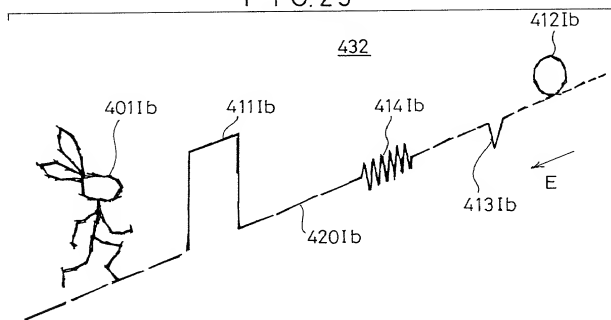


FIG. 26

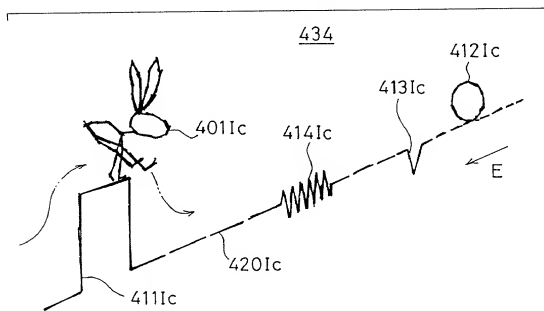


FIG. 27

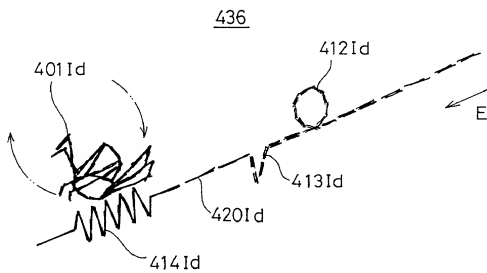


FIG. 28

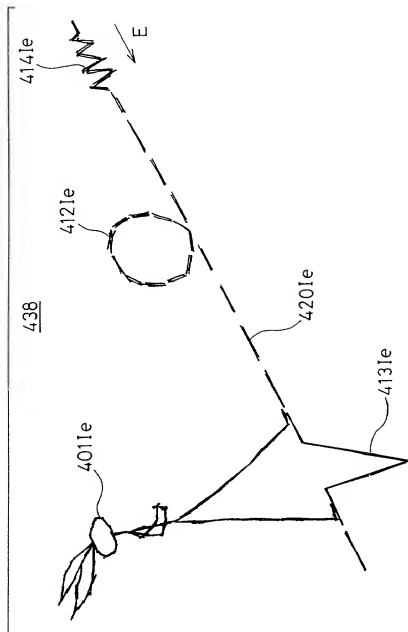


FIG. 29

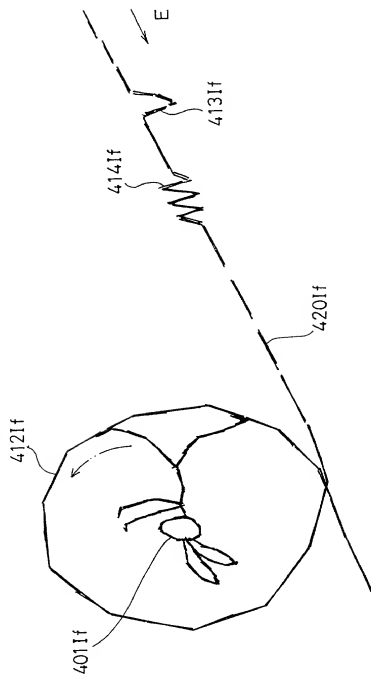
440

FIG. 30

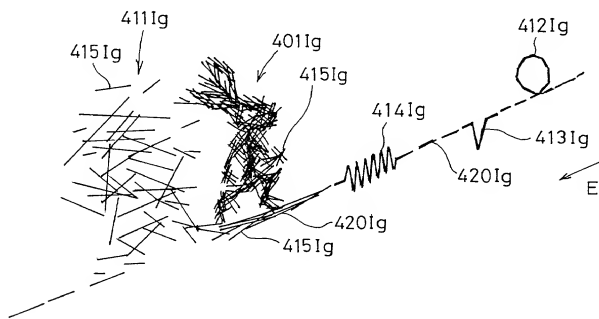
450

FIG. 31

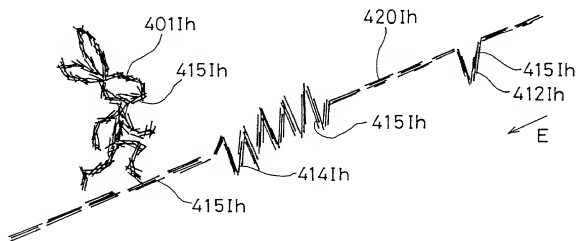
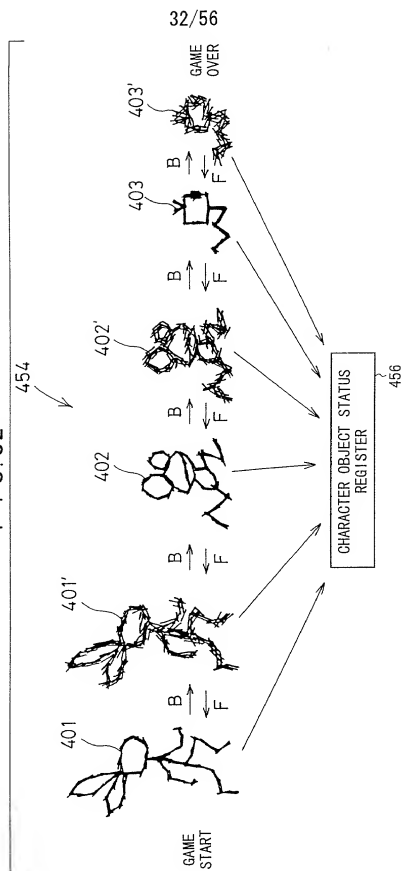
452

FIG. 32



32/56



FIG. 33

457

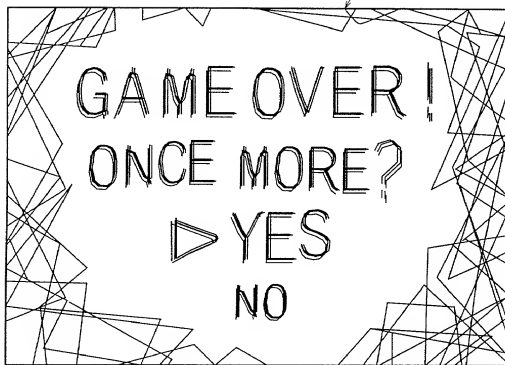


FIG. 34

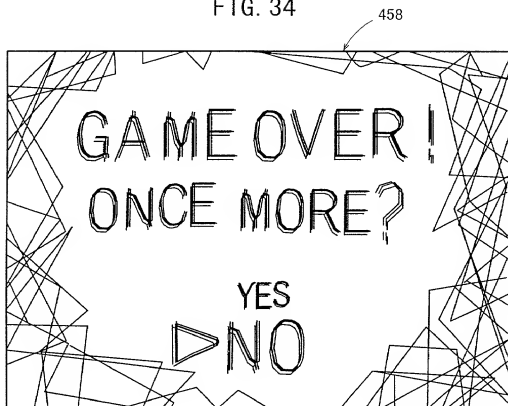


FIG. 35

460

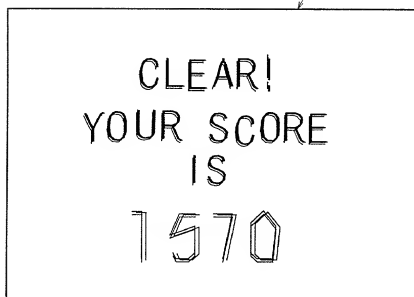


FIG. 36

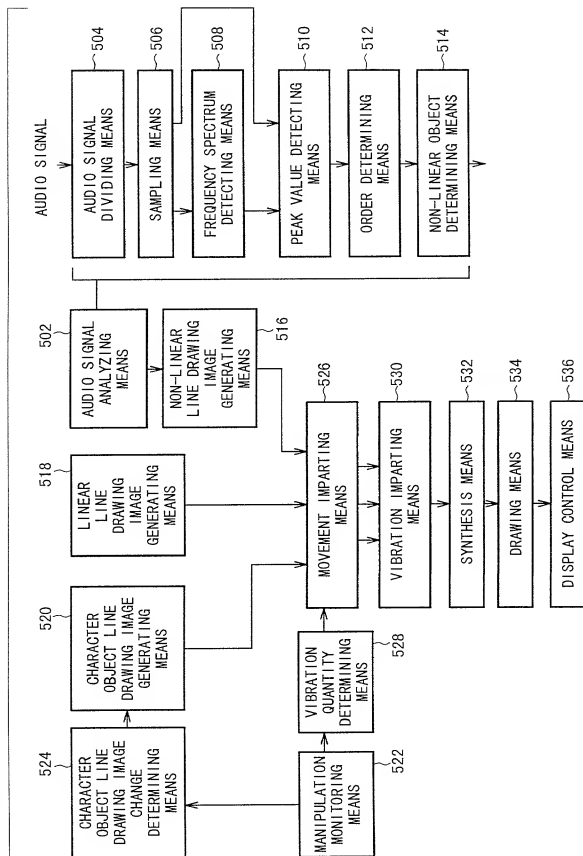


FIG. 37

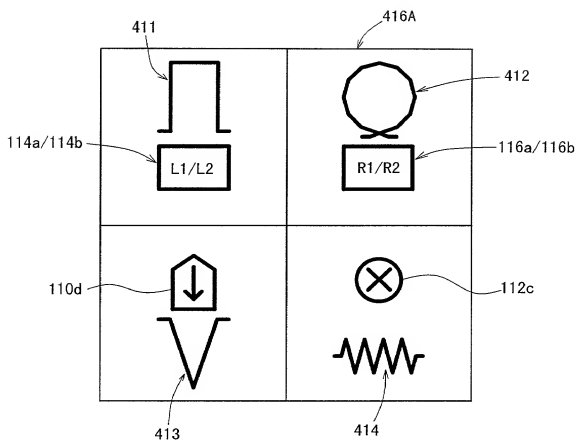


FIG. 38

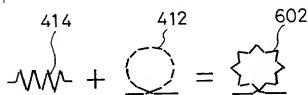


FIG. 39

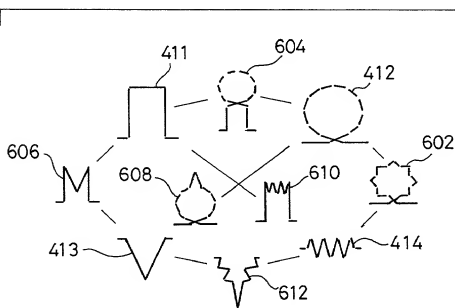


FIG. 40

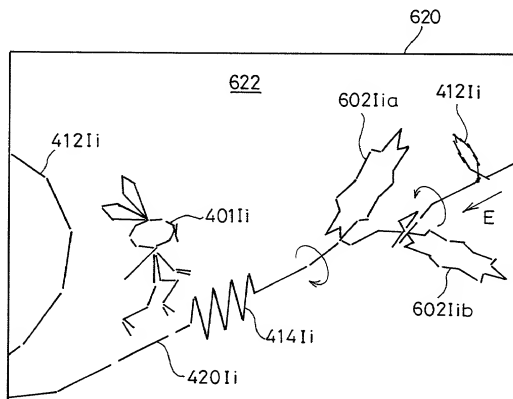




FIG. 41

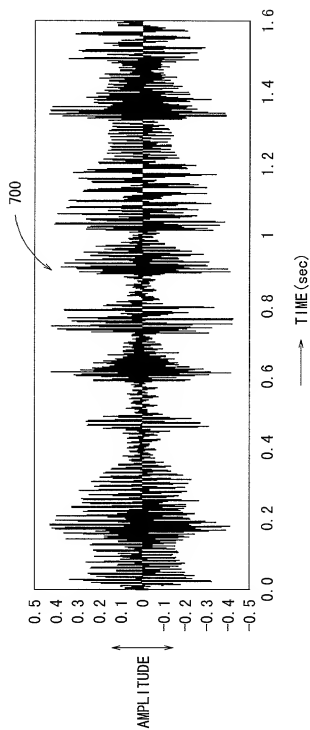
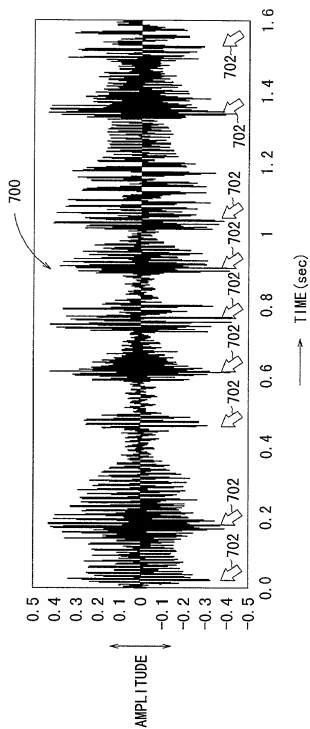


FIG. 42



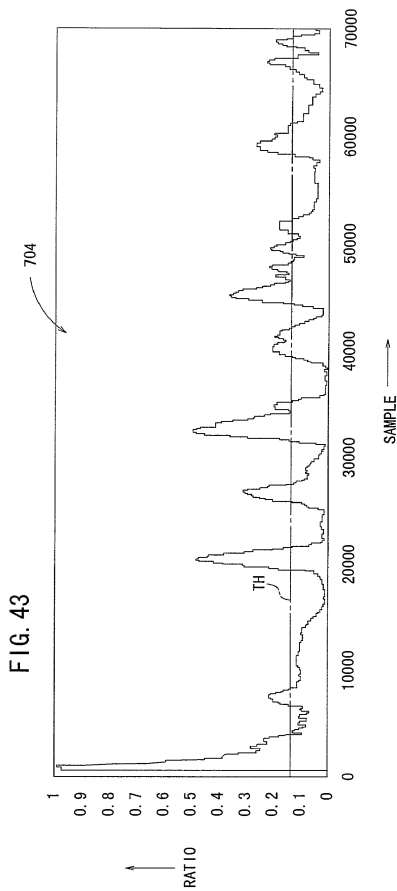


FIG. 44

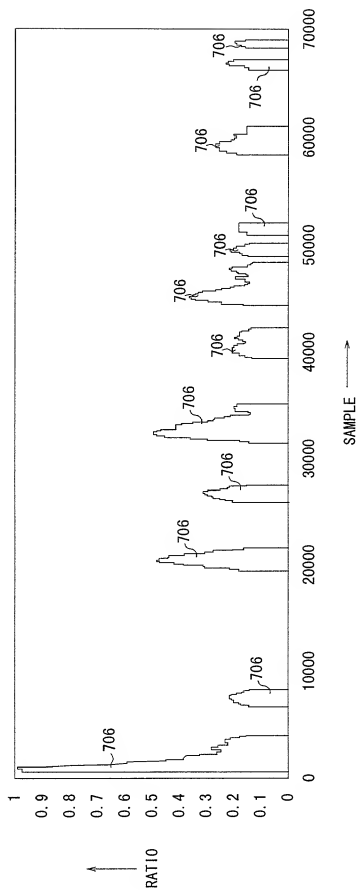


FIG. 45

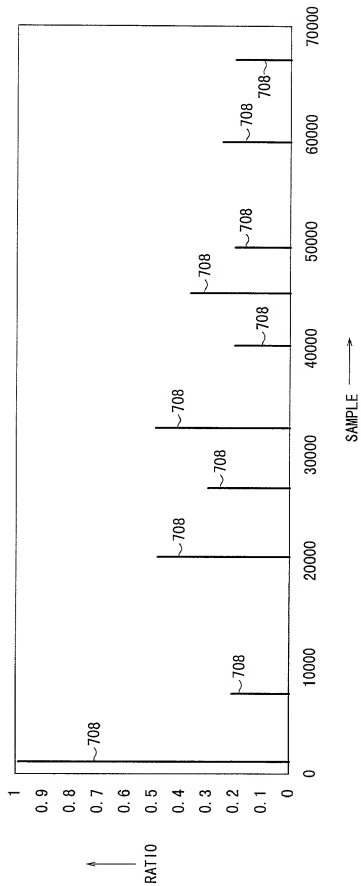


FIG. 46

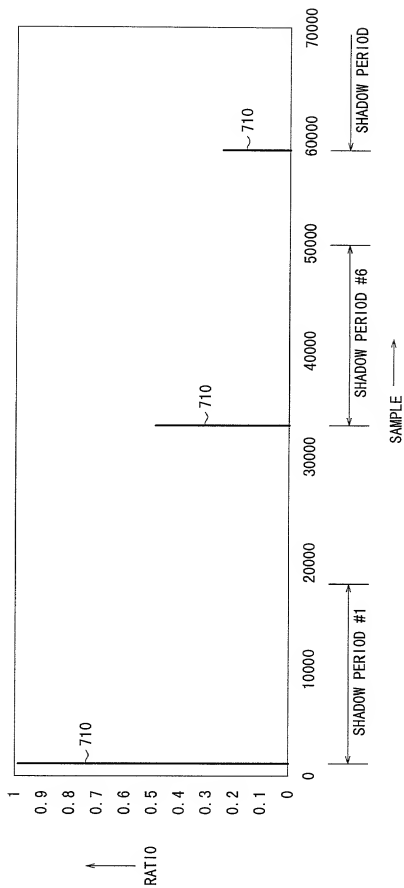
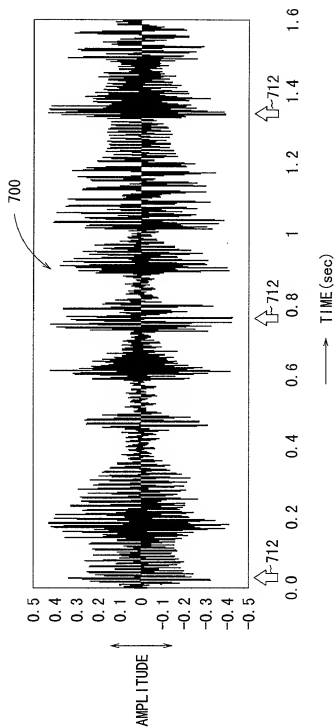


FIG. 47



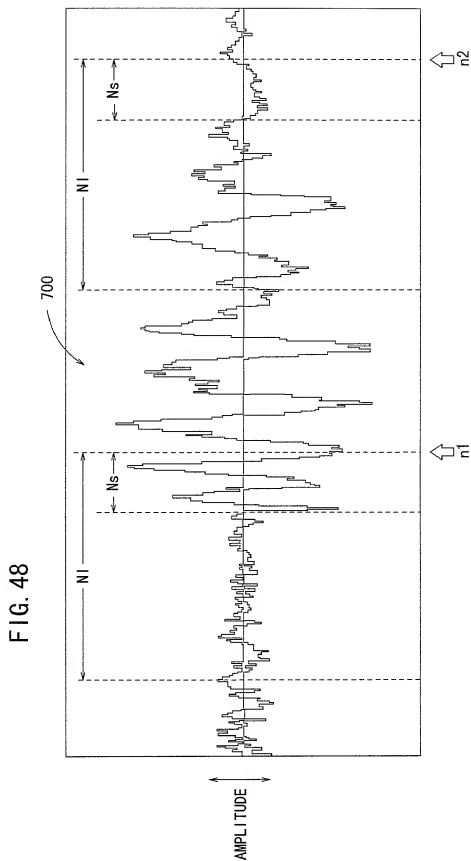




FIG. 49

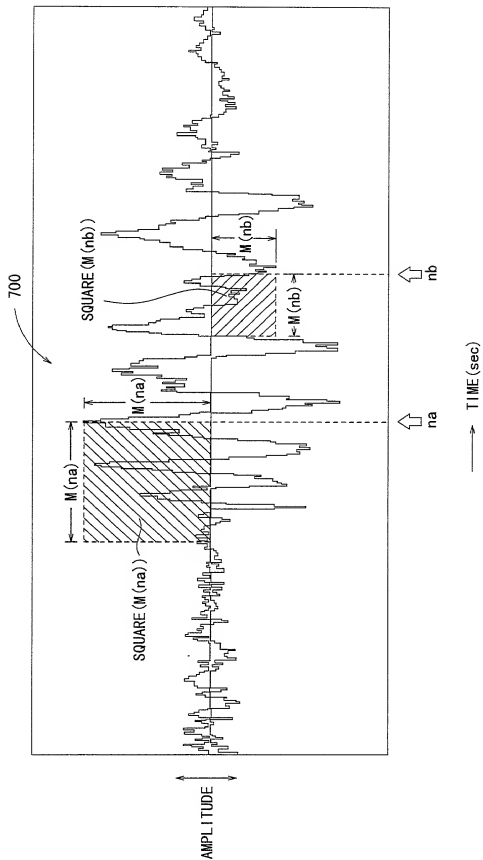


FIG. 50

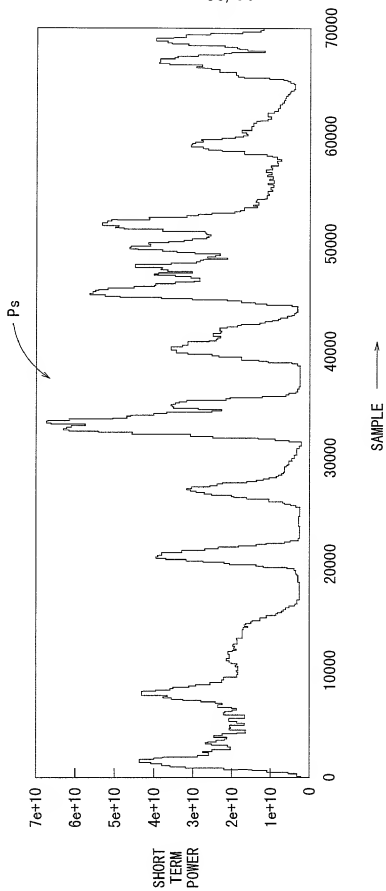


FIG. 51

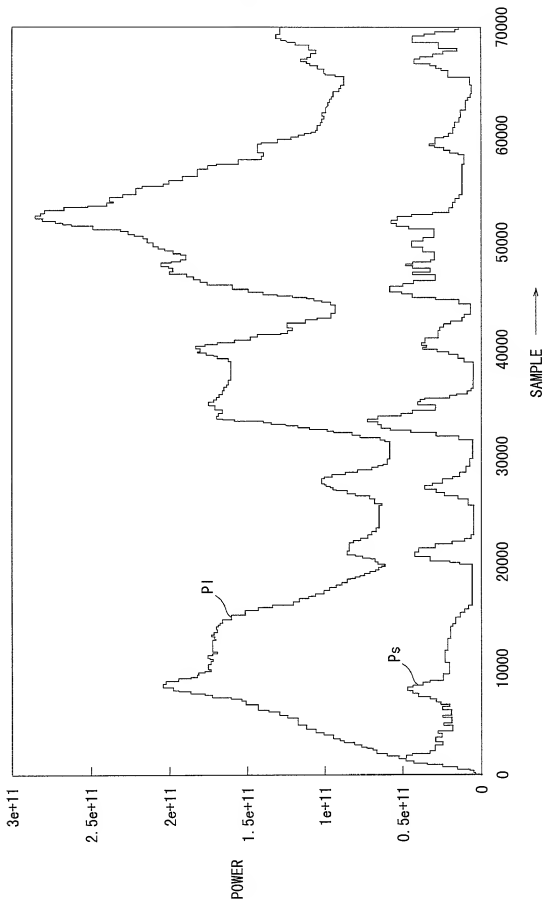


FIG. 52

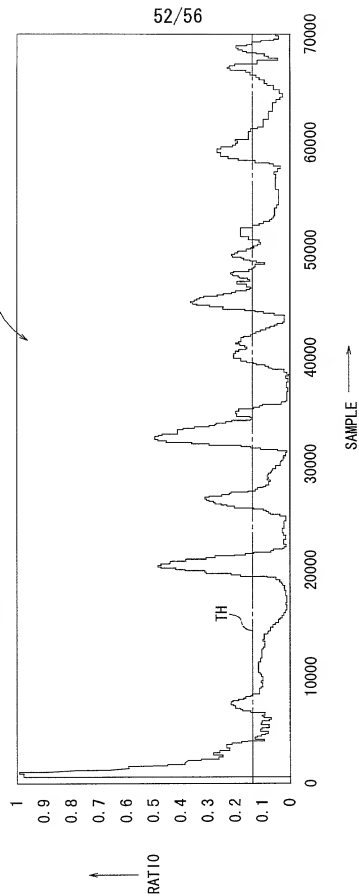


FIG. 53

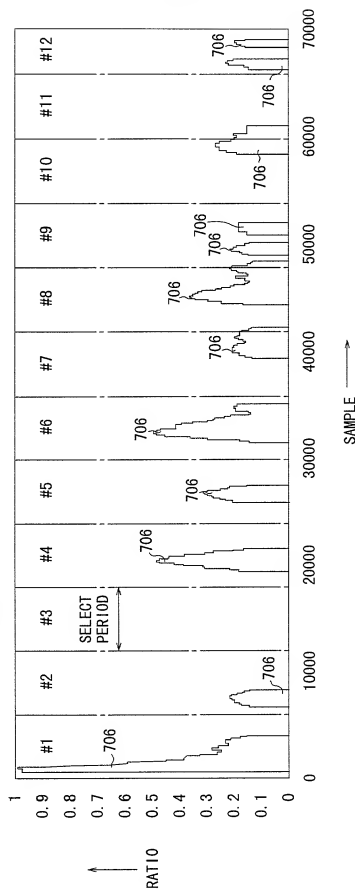


FIG. 54

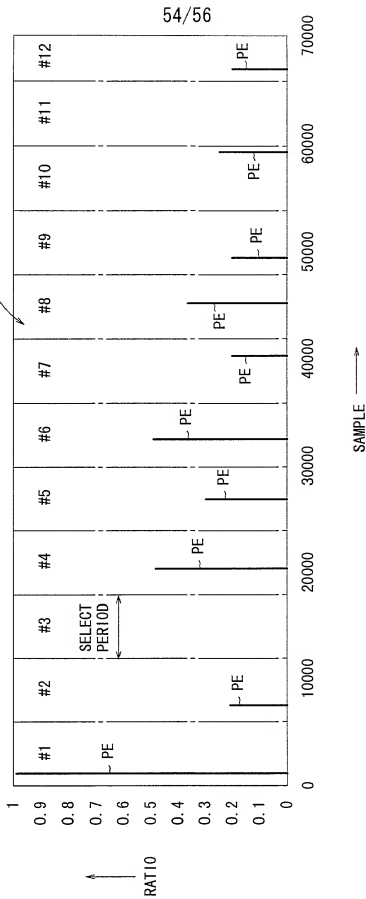


FIG. 55

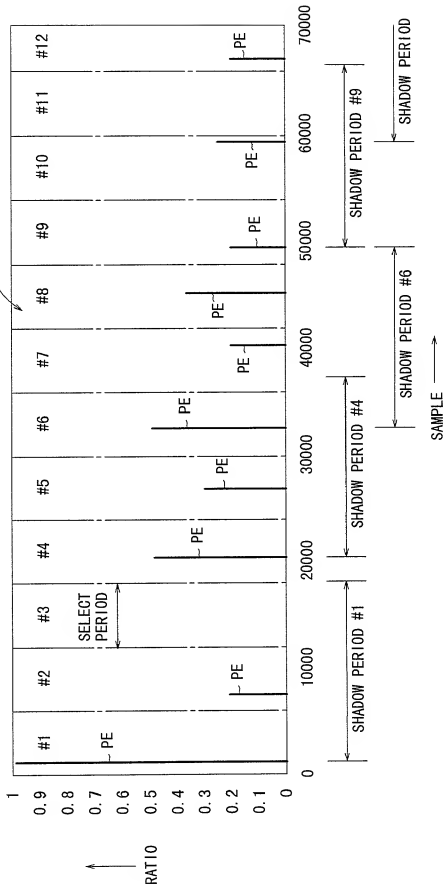


FIG. 56

